

Converting Colors

XYZ(77.1977, 81.4931, 80.8661)

Have a look what the booklet for
XYZ(77.1977, 81.4931, 80.8661)
contains.

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Color

**XYZ(77.2488, 81.5563,
80.7777)**

Conversions

Conversions Part 1

Format	Color
Hex	EDE9DE
RGB	237, 233, 222
RGB Percent	93%, 91%, 87%
CMY	0.0706, 0.0863, 0.1294
CMYK	0.00, 0.02, 0.06, 0.07
HSL	44°, 29%, 90%
HSV	44°, 6%, 93%
XYZ	77.2488, 81.5563, 80.7777
YIQ	232.9420, 5.9150, -2.5730

Conversions

Conversions Part 2

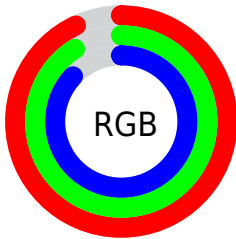
Format	Color
R _Y B	227, 237, 222
Decimal	15591902
CIE Lab	92.38, -0.54, 5.81
CIE LCh	92, 5.831, 95.304
Yxy	81.5563, 0.3224, 0.3404
Android (android.graphics.Color)	4293781982 (0xFFE9DE)
YUV	232.9420, -5.3944, 3.5589
Hunter-Lab	90.3085, -5.3532, 10.1832

Details

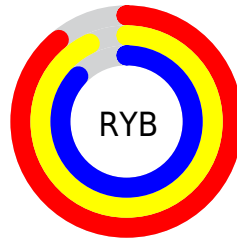
The XYZ color **77.2488, 81.5563, 80.7777** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.6065, 76.0355, 90.9713**, and the grayscale version is **77.4466, 81.4799, 88.7316**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7532, 44.0581, 42.8626** is the 20% darker color. If you saturate the color by 10%, you get **72.5384, 76.8661, 64.6221**, and if you desaturate by 10%, it is **82.4742, 86.5601, 99.3099**.

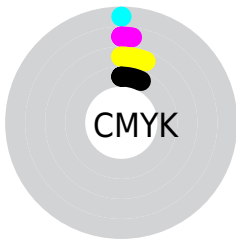
Distribution



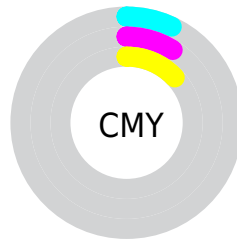
- Red (93%)
- Green (91%)
- Blue (87%)



- Red (89%)
- Yellow (93%)
- Blue (87%)



- Cyan (0%)
- Magenta (2%)
- Yellow (6%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2488, 81.5563, 80.7777 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.2488, 81.5563, 80.7777 by changing the saturation by 10% instead.

■ 77.2488, 81.5563,
80.7777

■ 77.2488, 81.5563,
80.7777

474.4908,
500.1623, 517.3256

■ 57.7577, 60.9999,
59.8286

128.4616,
135.5516, 136.2798

■ 41.8564, 44.2251,
42.8561

160.9141,
169.7593, 171.6700

■ 29.1795, 30.8475,
29.4417

198.4177,
209.2861, 212.7109

■ 19.3616, 20.4827,
19.1667

241.3378,
254.5166, 259.8211

■ 12.0374, 12.7464,
11.6128

290.0399,
305.8351, 313.4191

■ 6.8415, 7.2542,
6.3613

344.8891,

■ 3.4086, 3.6216,

363.6259, 373.9235

2.9937

406.2510,
428.2735, 441.7528

■ 1.3734, 1.4642,
1.0914

■ 0.2371, 0.2633,
0.0000

■ 77.2488, 81.5563,
80.7777

■ 77.2488, 81.5563,
80.7777

■ 72.5384, 76.8661,
64.6221

■ 82.4742, 86.5601,
99.3099

■ 68.3172, 72.4701,
50.7399

■ 85.8194, 90.9126,
107.6325

■ 64.5668, 68.3627,
39.0284

■ 87.7686, 94.8111,
108.2822

■ 61.2652, 64.5339,
29.3747

■ 88.7355, 96.7447,
108.6045

■ 58.3883, 60.9730,
21.6558

■ 55.9097, 57.6682,
15.7352

■ 53.7994, 54.6065,
11.4589

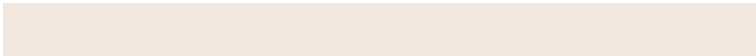
■ 52.0224, 51.7727,
8.6465

■ 50.5353, 49.1482,
7.0729

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7360, 81.5563, 81.4601



77.2488, 81.5563, 80.7777



75.8513, 81.5563, 82.1877

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2488, 81.5563, 80.7777



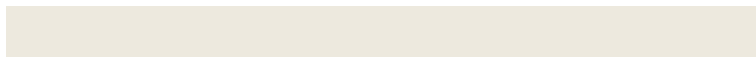
75.1719, 81.5563, 93.6925



80.1841, 81.5563, 92.3198

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77.2488, 81.5563, 80.7777



72.6065, 76.0355, 90.9713

Split Complementary

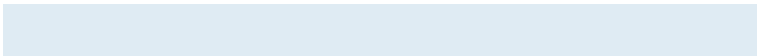
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.2065, 81.5563, 95.7597



77.2488, 81.5563, 80.7777



76.3103, 81.5563, 96.5701

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2488, 81.5563, 80.7777



74.6622, 81.5563, 89.5716



77.7855, 81.5563, 97.3386



80.4433, 81.5563, 88.0347

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2488, 81.5563, 80.7777



75.1546, 81.5563, 84.1523



77.7855, 81.5563, 97.3386



79.9280, 81.5563, 93.6177

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



77.2511, 81.5598, 80.7795



93.8078, 98.8121, 104.4887



74.7749, 75.7392, 82.6307



20.0918, 21.1624, 22.4111



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2511, 81.5598, 80.7795



90.2285, 95.3368, 91.9409



77.2378, 83.2513, 81.1066



15.9928, 16.9086, 15.9395



27.4311, 26.5564, 3.6801



2.2322, 2.2417, 0.3150

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



72.6065, 76.0355, 90.9713



83.3491, 87.1544, 107.0372



72.6159, 74.4462, 90.6640



14.5575, 15.2015, 19.0892



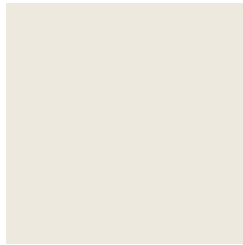
9.4119, 5.4708, 44.3029



0.8159, 0.5834, 3.5045

Previews

White Background



This preview shows how the XYZ color 77.2488, 81.5563, 80.7777 looks on a white background.

Color Contrast Check

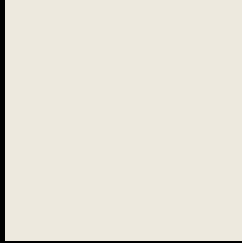
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 77.2488, 81.5563, 80.7777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

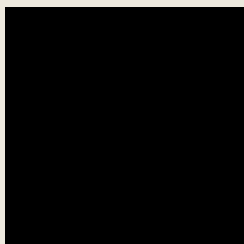
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

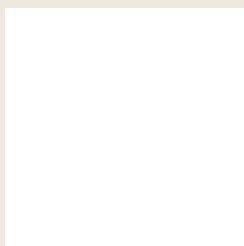
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2488, 81.5563, 80.7777

Background



This preview shows how black text looks on a background with the XYZ color 77.2488, 81.5563, 80.7777.



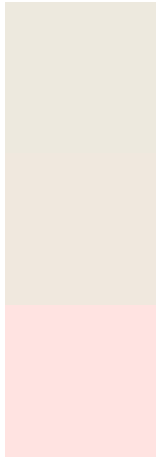
This preview shows how white text looks on a background with the XYZ color 77.2488, 81.5563,

80.7777.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.2488, 81.5563, 80.7777

Protanopia

77.9766, 81.5124, 80.7309

Deuteranopia

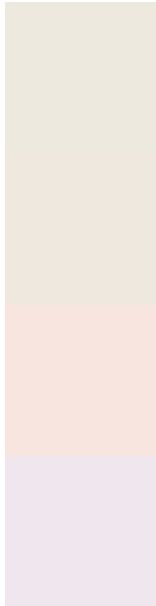
82.2997, 81.6344, 82.6535



Tritanopia

81.0834, 81.4548, 99.4445

Trichromacy



Original Color

77.2488, 81.5563, 80.7777

Protanomaly

77.6380, 81.3379, 80.7151

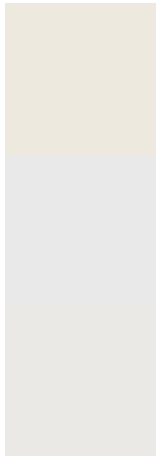
Deuteranomaly

80.1853, 81.3769, 82.0021

Tritanomaly

79.6646, 81.2919, 92.3811

Monochromacy



Original Color

77.2488, 81.5563, 80.7777

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.2135, 81.4274, 85.7762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2488, 81.5563, 80.7777 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(237, 233, 222) looks like.

```
.text, #text, p{  
    color:rgb(237, 233, 222)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(237, 233, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 233, 222) }
```

Border

The CSS property to change the border of an element to XYZ 77.2488, 81.5563, 80.7777 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(237, 233, 222) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(237, 233, 222) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(237, 233, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 233, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 233, 222);  
box-shadow:4px 4px 4px 4px rgb(237, 233,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2488, 81.5563, 80.7777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 233, 222) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(237,  
233, 222) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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